

## TECHNICAL DATA SHEET

### TRADE

### SABRE LATEX

REVISION DATE: July 2024



## PRODUCT INFORMATION

### PRODUCT DESCRIPTION

A ready to use superior quality polymer emulsion that aids adhesion, improves tensile strength and water resistance when added to cement mortars and slurries. Ideal to add to cement upon interior and exterior use.

### PRODUCT USES

To increase the following physical properties of cementitious mortars and slurries:

Adhesion, cohesion, flexural strength, tensile strength, chemical resistance, abrasion resistance, water resistance and reduced shrinkage of thin layer patching mortars, floor screeds, renders, repair mortars, linings, etc.

To waterproof masonry surfaces like dams, concrete decks and cantilevers in conjunction with polyester membrane.

### TYPE

Synthetic latex emulsion

### COLOUR

White milky liquid that turns to a clear translucent film when cured.

### PACK SIZE

1ℓ, 5ℓ and 20ℓ

### STORAGE

	MIN	MAX
Surface Temp (°C)	5 °C	30°C
Ambient Temp (°C)	5 °C	30°C
Relative Humidity	10%	85%
<i>or 4°C minimum above dew point</i>		

Store away from direct sunlight, heat and severely cold or damp conditions. Ensure that containers are properly sealed before storage.

## APPLICATION CONDITIONS

### LIMITATIONS

Not to be used as a concrete or structural adhesive.

### SAFETY PRECAUTIONS

Ensure good ventilation during application and curing process.

Keep out of reach from children.

In case of skin contact, wash with soap and water.

In case of eye contact rinse immediately with running water and seek medical advice if eyes are irritated.

If swallowed, do not induce vomiting and seek medical attention.

Refer to Material Safety Data Sheet on our website for more detailed safety information.

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## SABRE LATEX WATERPROOFING SYSTEM

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**Please Note:** Only Portland cement to a minimum strength of 42.5 MPa should be used in conjunction with Sabre Latex to ensure optimal performance and specified results. The quality grade of cement used plays a crucial role in the end result of the waterproofed screed. It is strongly advised not to use economy cement grades.

### **SURFACE PREPARATION**

Ensure that all surfaces are cured, free from oil, grease, coatings and in a sound/clean condition.

Repair all visible cracks before waterproofing with Sabre Latex.

Remove all cement laitance with the aid of scrapers, angle grinders with wire cup brushes or masonry cutting discs. Exposed reinforced steel that is exposed, is to be cut away with an angle grinder or cutting torch. Reinforced steel that is exposed well below the surface level to be primed with two coats of SABRE CHLORPRIME in accordance with product data sheet. Allow 12 hours drying time between coats. Absorbent cement surfaces should be saturated with water and remove all ponding/standing water.

To those areas where ponding occurs, level these areas using Sika patching and repair mortars before waterproofing with Sabre Latex. If any steel is exposed first prime using SABRE CHLORPRIME as above and allow 12 hours to cure before commencing with waterproofing. Refer to Sika Rep method statements for correct mixing and application instructions. To avoid feathered edges, recess the extremities/edges by at least 10mm.

During the winter season protect the plastered area from rain by covering with a plastic sheet until the repairs has cured. During the summer months protect the surface from direct sunlight for at least 24 hours.

## **MIXING PROCEDURE**

*Please note that the below yields are only an estimate and Sabre Paints (PTY) Ltd cannot be held liable for inaccurate measurements and costing's.*

Calculate the amount of material required by using the following formulation estimates:

<b>SPREAD RATE TABLE</b>		
<b>Application</b>	<b>Per 1ℓ of Sabre Latex</b>	<b>Total Area</b>
Waterproofing Slurry	3.2 ℓ	1 m <sup>2</sup> (including membrane)
Final Slurry Coat	1.6 ℓ	2 m <sup>2</sup>

**MIX** – Waterproofing Slurry for primer & bedding coat

## **PRODUCT VOLUME RATIO**

	Mixing Ratio			
Sabre Latex	1ℓ	5ℓ	15ℓ	20ℓ
Water	1ℓ	5ℓ	14.2ℓ	20ℓ
Portland Cement	3.5kg	17.5kg	50kg	70kg
Yield	3.2ℓ	16ℓ	44.3ℓ	62.29ℓ

Mix as above and apply according to spread rate table.

Ensure to mix the required volume of Sabre Latex and clean water first. Weigh off the amount of cement required. Slowly add the cement to the Sabre Latex. Continuously stirring to avoid the formation of lumps. It is recommended that the mixture be mechanically mixed at a slow speed. Continue mixing until a smooth consistency is obtained. When using the slurry, agitate it periodically to prevent settlement from taking place.

## **APPLICATION**

Saturate the substrate thoroughly with clean water first. While the surface is still wet apply a primer coat of the slurry first with a block or lime wash brush. Subsequent layers must be applied while the primer slurry coat is still wet.

Cut the **POLYESTER MEMBRANE** to the required number of lengths and then into workable lengths to cover the area to be waterproofed. Please note that lengths longer than 2 meters are difficult to handle. Pour the ready mixed slurry into a suitable vessel. (A half 200L drum could be used for large jobs). Now dip the polyester membrane into the slurry, ensuring that it is thoroughly saturated. Shoot a chalk line the width of the polyester membrane on the surface to be waterproofed. Carefully remove the soaked membrane from the vessel and apply to the substrate.

Carefully smooth out with a block brush or trowel to remove any trapped air bubbles or creases that may occur. Overlaps of the joints to be a **minimum width of 50mm**. Once the entire surface is covered, apply a generous round coat of slurry with a block brush and allow to dry.

Now apply a **final coat** of slurry mixed without water to the below specification:

**MIX** – Final Slurry Coat

**PRODUCT VOLUME RATIO**

	Mixing Ratio			
Sabre Latex	2ℓ	10ℓ	30ℓ	40ℓ
Portland Cement	3.5kg	17.5kg	50kg	70kg
Yield	3.2ℓ	16ℓ	44.3ℓ	62.29ℓ

Mix as above and apply according to spread rate table on page 2, to finish the application procedure.

**Curing:** During the summer months protect the surface from direct sunlight for at least 24 hours. If ponds and dam walls have been treated allow the surface to cure for at least 5 days before filling with water. A cement screed or floor tiles may be applied to the surface afterwards or at later stage.

**Cleaning:** Clean hands and equipment with warm water. Remove cured or hardened materials from equipment with scrapers or a grinderette. Wear protective clothing and heavy duty rubber gloves when working with Sabre Latex. After use discard all clothing, gloves etc.

For further assistance please contact our Technical Department on 021-931 7231

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**DISCLAIMER**

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*The technical information contained in this document are given in good faith and are meant to be used as a guideline by the specifier or user. Whilst we are confident about the quality of our products, we cannot accept any liability for the incorrect use or application of our products. Surface preparation forms an integral part of the scope of works and it is expected that the highest standards are maintained during surface preparation and application, to ensure that our products perform as intended. Always ensure to use the same product batch numbers, refrain from doing spot touch-ups and paint surfaces from corner to corner to prevent colour and sheen variance.*

Please note that all our latest Product Data Sheets and Material Safety Data Sheets are available for viewing on our website at [www.sabre.co.za](http://www.sabre.co.za)

**SABRE PAINTS (PTY) LIMITED**